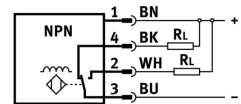


# Proximity sensor SIEF-Q40S-NA-S-2L

Part number: 538342

FESTO



[General operating condition](#)

## Data sheet

| Feature                                    | Value   |
|--|---|
| Design                                     | Square  |
| Conforms to standard                       | EN 60947-5-2  |
| Symbol                                     | 00991709  |
| Certification                              | RCM compliance mark<br>c UL us - Listed (OL)  |
| CE marking (see declaration of conformity) | As per EU EMC directive   |
| Measuring principle                        | Inductive   |
| Rated operating distance                   | 35 mm   |
| Assured operating distance                 | 28.35 mm  |
| Reduction factors                          | Aluminum = 1.0<br>Stainless steel St 18/8 = 1.0<br>Copper = 1.0<br>Brass = 1.0<br>Steel St 37 = 1.0 |
| Ambient temperature                        | -30 °C ... 85 °C  |
| Repetition accuracy                        | 0.7 mm  |
| Switching output                           | NPN   |
| Switching element function                 | Antivalent  |
| Hysteresis                                 | 1.05 mm ... 5.25 mm   |
| Max. switching frequency DC                | 250 Hz  |
| Max. output current                        | 200 mA  |
| Voltage drop                               | ≤1.8 V  |
| Short-circuit protection                   | Pulsed  |
| DC operating voltage range                 | 10 V ... 65 V   |
| Residual ripple                            | 10 %  |
| Idle current                               | ≤15 mA  |
| Reverse polarity protection                | for all electrical connections  |
| Electrical connection                      | 4-pin<br>Fixcon<br>M12x1<br>Plug  |
| Size                                       | 40x40x65 mm   |
| Type of mounting                           | With through-hole   |
| Mounting type                              | Partially flush   |
| Product weight                             | 156 g   |
| Housing material                           | PA<br>PBT-reinforced  |
| Ready status indication                    | LED green   |

| <b>Feature</b>                                  | <b>Value</b>  |
|---|---|
| Switching status indication                     | LED yellow  |
| Degree of protection                            | IP67  |
| Resistance to interference from magnetic fields | Magnetic direct and alternating fields                  |
| Corrosion resistance class (CRC)                | 0 - No corrosion stress                                 |
| Selection of additional sensor information      | with reduction factor 1 – resistance to magnetic fields |
| Electrical output                               | NPN   |
| Selection of sensor version                     | Standard  |